

Receiving Report

Date: 11/5/12

Batch No: 1117684

Supplier: JHYSSK-MR-AP

Dart P/O: 13976

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☐ No ☒
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐
 Waybill Attached: Yes ☐ No ☒ N/A ☐
 Shipment Complete: Yes ☒ No ☐ N/A ☐
 QC6 Inspection ☒ N/A ☐
 Work Order 68922 N/A ☐

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
D61003-003P		12	0	0	12	

Initials of receiver (if shipment OK) Level 12 [Signature]

Production/Admin: 11/5/12
 Date [Signature]
 Received/Costing [Signature]
 Initial [Signature]

Location

Purchase Order Receipt Listing

Page 1 of 1

Thursday, May 12, 2011 11:33:29 AM

All amounts are calculated in domestic currency.

All Vendors PO ID po13976 All Receipt Dates All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vendor Name		VC-COP001	Thyssenkrupp Materials CA Ltd								
PO13976	2		D6104-005P	Each	5/6/2011	5/12/2011	10.0000	\$82.50	0.0000	0	\$825.00
CAD	No		17-4 SS Roundbar 4.00"OD 68922/117684	Each	10.0000	DESJ02		\$825.00	0.0000	0	
	3		M2024T3S.020	sf	5/6/2011	5/12/2011	48.0000	\$2.86	0.0000	0	\$137.50
	No		Alum. sheet .020 68922/117684	sf	48.0000	DESJ02		\$137.50	0.0000	0	
	4		M2024T3S.040	sf	5/6/2011	5/12/2011	192.0000	\$3.32	0.0000	0	\$638.00
	No		2024-T3 .040 sheet 68922/117684	sf	196.0000	DESJ02		\$638.00	0.0000	0	
	5		M2024T3S.050	sf	5/6/2011	5/12/2011	144.0000	\$4.15	0.0000	0	\$597.00
	No		2024-T3 .050 sheet 68922/117684	sf	144.0000	DESJ02		\$597.00	0.0000	0	
Total Received Quantity:										394.0000	
Total Qty to Inspect (PO U/M):										0.0000	
Total Reject Quantity:										0.0000	
Total Receipt Value:										\$2,197.49	
Total Balance Due Quantity:										0.0000	

B I L L O F L A D I N G

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 9057389033

No: PEC 710428
 Ship Date 12May11 at 13:36 From PFW
 Probill
 Via VIM TRANSFER TRUCK
 FOB CONCORD
 Frt PREPAID
 Route 0- 0 Manifest
 Vhcle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7

Ship To: (1)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7
 Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-326915- 1 Your PO # 13976
 Part # ASTM A564 Rel #
 STAINLESS STEEL ROUND BAR 17-4 HFRT
 4.00" DIA X 5.1000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
G17441	193157	4 ' 3.0000 "	10	182

2) Our Order PEC-326915- 2 Your PO # 13976
 Part # QQ-A-250/4 Rel #
 ALUMINUM SHEET 2024 -T3
 .0400 Nom X 48.0000" X 144.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
183665	193158	192.00 SFT	4	111

3) Our Order PEC-326915- 3 Your PO # 13976
 Part # 4-6 DAYS A.R.O QQ-A-250/4 Rel #
 ALUMINUM SHEET 2024 -T3
 .0500 Nom X 48.0000" X 144.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
537782A5	193160	144.00 SFT	3	104

4) Our Order PEC-326915- 4 Your PO # 13976
 ALUMINUM SHEET 2024 -T3
 .0200 Nom X 48.0000" X 144.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
526944A4	193161	48.00 SFT	1	14

Tags	PCS	LBS
4	18	411

Page: 1Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.
 ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
 RETOUR DE MARCHANDISES AVEC NOTRE NUMÉRO D'APPROBATION SEULEMENT.
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE		By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)							
DATE	STEP	Description of NC Section A	Corrective Action		Section B		Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date				

NOTE: Date & initial all entries

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 9057389033

No: PEC 710428
 Ship Date 12May11 at 13:36 From PFW
 Probill
 Via VIM TRANSFER TRUCK
 FOB CONCORD
 Frt PREPAID
 Route 0- 0 Manifest
 Vhcle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE

Ship To: (1)
 DART AEROSPACE

B I L L O F L A D I N G

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
 WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
 TO SHIPPING.
 ATTN: CHANTAL/LINDA
 ** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
 ** REFERENCED ON IT **

TOTAL 3 SKIDS, 1 CUSH G.W. 656 LBS

ITEM (1) SKID
 ITEM (2) SKID
 ITEM (3) SKID
 ITEM (4) CUSH

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
 CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***
 **** TEL. 800-926-2600 ****

 * WE STOCK STAINLESS STEEL *
 * PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

 ***PLEASE NOTE A \$20.00 ENERGY SURCHARGE WILL BE
 ADDED TO EVERY ORDER.***

Page: 2 Last

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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Dan
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CONCORD, ONTARIO L4K 5C6
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15
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TOTAL:	Tags	PCS	LBS
	4	18	411

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*3 crates
1 skid*

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CERTIFICATE OF TESTS

000772059

ABNAHMEPRUEFZEUGNIS

CERTIFICAT DE CONTROLE



TALLEY METALS

A Carpenter Company

Talley Metals Technology, Inc.

P.O. Box 2498

Hartsville, SC. 29551

Tel. (843) 335-7540 Fax. (843) 335-6465

THE RECORDING OF FALSE, FICTICIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES INCLUDING FEDERAL LAW, TITLE 18, CHAPTER 47. THE VALUE AND OTHER TECHNICAL DATA REPRESENT THE RESULTS OF ANALYSIS AND TESTS MADE ON SAMPLES COLLECTED FROM THE TOTAL LOT. ORIGINAL DATA RECORDS CAN BE TRACED BY REFERENCE TO THE CARPENTER ORDER NUMBER. MATERIAL IS MANUFACTURED FREE FROM MERCURY, RADIUM AND ALPHA SOURCE CONTAMINATION. THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF CARPENTER TECHNOLOGY CORPORATION.

2011-04-13

CUSTOMER / BESTELLER / CLIENT

SELLER / VERKÄUFER / VENDEUR

Page - 1

CUSTOMER ORDER NO./BESTELL - NR./N° DE COMMANDE	CARPENTER NO./WERKS - NR./N° DE REFERENCE INTERNE	DATE/DATUM/DATE	WEIGHT/GEWICHT/POIDS
5400095931-0120	W92633 W92633	2011-04-13	2525.0

HEAT NUMBER / SCHMELZE-NR./N° DE COULEE:

G17441

PRODUCT DESCRIPTION: TYPE 17-4 SOLUTION ANNEALED ROUGH TURNED
----- PART NUMBER: SSRD00474

SPECIFICATION: TALLEY 174-T1A CAP OF H900 (01/11/99)

AMS 2303 REV F (08/ /10)

AMS 2315 REV F (01/ /08)

AMS 5643 REV R (02/ /08)

ASTM-A484-10

ASTM-A564-10

ASME-SA564 2010 EDITION (TYPE 630)

ASTM-F899-10 (CHEM ONLY)

SIZE 4.000000 IN. (101.60 MM) RD BAR

PRIMARY HEAT CHEMISTRY (WT%): (TEST METHOD IS SHOWN IN PARENTHESIS)

C (COM)	MN (XRF)	SI (XRF)	P (XRF)	S (COM)	CR (XRF)
0.027	0.84	0.42	0.021	0.020	15.34
NI (XRF)	MO (XRF)	CU (XRF)	N (FUS)	CB (XRF)	TA (XRF)
4.25	0.17	3.70	0.034	0.26	LT .01

CB+TA

0.27

THIS HEAT MELTED BY THE ELECTRIC ARC/AOD PROCESSES

DISCS MACROETCHED AND APPROVED

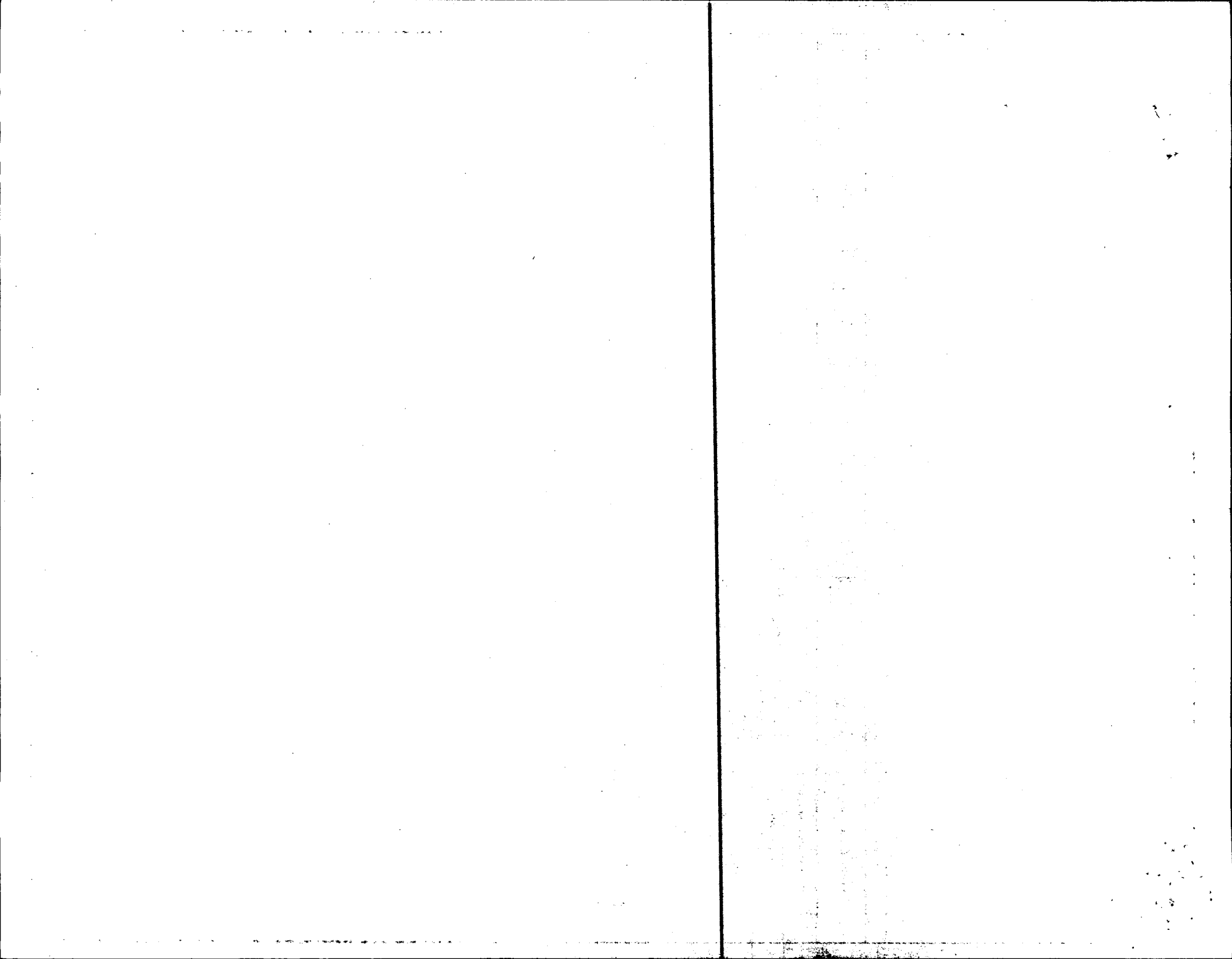
HARDNESS AS SHIPPED, HBW - 360 (MIDRADIUS)

MAGNETIC PARTICLE: FREQUENCY = 0 / SEVERITY = 0

MICROSTRUCTURE - FERRITE 1.39%

SOLUTION ANNEALED - 1900 F, 1 HOUR - RAPID COOL

CONTINUED ON NEXT PAGE



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2011-04-13

CUSTOMER / BESTELLER / CLIENT

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Page - 2

CUSTOMER ORDER NO./BESTELL - NR./N° DE COMMANDE	CARPENTER NO./WERKS - NR./N° DE REFERENCE INTERNE	DATE/DATUM/DATE	WEIGHT/GEWICHT/POIDS
5400095931-0120	W92633 W92633	2011-04-13	2525.0

HEAT NUMBER / SCHMELZE-NR./N° DE COULEE:

G17441

CAPABILITY

900 F(482 C), 01 HR

AIR COOL

(T)RANSVERSE	(L)ONGITUDINAL	L
YIELD STRENGTH, (0.20 %) KSI(MPA)	188.0(1296)	
TENSILE STRENGTH, KSI(MPA)	206.0(1420)	
ELONGATION IN 2.00", %	13.0	
REDUCTION OF AREA, %	42.0	
HARDNESS , HBW	408.0	

(CONVERTED FROM TENSILE STRENGTH)

NO WELD REPAIR PERFORMED

MATERIAL PRODUCED ON THIS ORDER WAS MELTED AND MANUFACTURED IN THE U.S.A. MATERIAL HAS BEEN MELTED IN USA OR QUALIFYING COUNTRY TO DFARS REQUIREMENTS 252.225-7014 WITH ALTERNATE 1 FOR QUALIFYING COUNTRY 225.872.1, SUPERSEDED BY DFARS REQUIREMENTS DFARS 252.225-7008 AND 252.225-7009. WE HEREBY CERTIFY THAT THE ABOVE TEST DATA ARE IN ACCORDANCE WITH THE PURCHASE ORDER AND SPECIFICATION REQUIREMENTS. CERTIFICATE OF TEST IS PREPARED IN ACCORDANCE WITH PARAGRAPH 3.1 OF EN 10204 (DIN50049)

STEPHANIE E. MCCULLUM
QUALITY ASSURANCE ENGINEER
CARPENTER TECHNOLOGY CORPORATION

Stephanie E. McCullum

Copper & Brass Sales

Customer. TKMVA
Customer PO. PEC-229977
Qty. 10 Weight: _____
Ship/Deliv #: 2401246482
By: BO



CORUS

2

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INSPECTION CERTIFICATE (EN 10204/3.1) / TEST REPORT / APPROVED CERTIFICATE

=====

NO.: 1178149 SERIAL-NO.: PAGE: 1 / 03

PURCHASER: CHARLESTON ALUMINIUM ORDER NO. PURCH.: 7679-01/4631-E-01

TRADING CO. ORDER NO. MAN.: 90296

GASTON, SC SPEC.: AMS4037+B209+Q0250/4

CUSTOMER PART NO.:

ITEM: 01 LOT: 183665 ALLOY/TEMPER: 2024-T3 BARE PRODUCT: COIL

QUANTITY: 306 DIMENSIONS: 0.040 x 48.00 x 144.00 INS

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RESULTS:

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Mechanical properties:

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Charleston Aluminum LLC
480 Frontage Rd.
Gaston, SC 29053

Pl. No.	Spec. No.	Y.S.	U.T.S.	El.
		KSI	KSI	%
Min. LT:		42,0	63,0	15,0
Max. LT:				
1 A		44,7	66,0	19,6
2 A		44,5	65,7	18,3
3 A		44,7	65,8	18,8
4 A		44,4	66,0	20,3
5 A		44,8	65,6	18,4
6 A		44,7	66,3	18,4

=====

Chemical composition: in % , remainder Al

=====

Cast No.: 4-06-4951

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	B
0,043	0,119	4,626	0,630	1,450	0,002	0,076	0,0228	0,0005
Zr	Pb	Ni	Sn	Be	Na	Li	V	H2 (*)
0,0017	0,0019	0,0052	0,0050	0,0000	0,0001	0,0000	0,0090	0,06
Al	Ti	Ti+Zr	Cu/Mg	Fe/Si				
		0,024	3,190					

(*) = H2 in ml/100 g AL

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Other tests:

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Dimensional check: OK

Surface control: OK

Normative references:

=====

LEGIERUNGSNORM/CHEMICAL COMPOSITION STANDARD/COMPOSITION CHIMIQUE
AMS 4037N+ASTM B 209-04+AMS-QQ-A-290/4A SEP1998

PESTIGKEITSNORM/MECH. PROP.STANDARD/CARACTERISTIQUE MECANIQUE
AMS 4037N+ASTM B 209-04+AMS-QQ-A-290/4A SEP1998



INSPECTION CERTIFICATE (EN 10204/3.1) / TEST REPORT / APPROVED CERTIFICATE

NO.:	1178149	SERIAL-NO.:		PAGE:	2 / 03
PURCHASER:	CHARLESTON ALUMINIUM	ORDER NO.	PURCH.:	7679-01/4631-E-01	
	TRADING CO.	ORDER NO.	MAN.:	90236	
	GASTON, SC	SPEC.:		AMS4037+B209+Q0250/4	
		CUSTOMER PART NO.:			
ITEM:	01 LOT: 183665	ALLOY/TEMPER:	2024-T3 BARE	PRODUCT:	COIL
	QUANTITY: 306	DIMENSIONS:	0.040 x 48.00 x 144.00 INS		

ABMESSNORM/DIMENSIONAL TOLERANCE STAN./NORME TOLERANCES
AMS 2202N+ANSI H35.2 2006
BESTELLNORM/SPECIFICATION/NORME
AMS 4037N+ASTM B 209-04+AMS-QQ-A-250/4A SEP1998

Bend test:

L-direction

LT-direction OK

ST-direction

Charleston Aluminum LLC
480 Frontage Rd.
Gaston, SC 29053



=====

INSPECTION CERTIFICATE (EN 10204/3.1) / TEST REPORT / APPROVED CERTIFICATE

=====

NO.: 1178149	SERIAL-NO.:	PAGE: 3 / 03
PURCHASER: CHARLESTON ALUMINIUM	ORDER NO. PURCH.: 7679-01/4631-E-01	
TRADING CO.	ORDER NO. MAN.: 90236	
GASTON, SC	SPEC.: AMS4037+B209+Q0250/4	
CUSTOMER PART NO.:		

=====

Remarks:

=====

CERTIFIED THAT THE WHOLE OF THE SUPPLIES DETAILED HEREON HAVE BEEN INSPECTED, TESTED AND, UNLESS OTHERWISE STATED ABOVE, CONFORM IN ALL RESPECTS WITH THE REQUIREMENTS OF THE SPECIFICATION, CONTRACT OR ORDER.

Charleston Aluminum LLC
480 Frontage Rd.
Gaston, SC 29053

Enclosures:

Koblenz, the 14.11.06 ND

G. Mettler
Quality Assurance

Corus Aluminium
Walzprodukte GmbH
Koblenz

3

SHIP TO: THYSSENKRUPP AEROSPACE(KENT) 5002 D STREET NW BUILDING 35 S AUBURN, WA 98001
SOLD TO: THYSSENKRUPP AEROSPACE(KENT) 6811 SOUTH 204TH STREET SUITE 400 KENT, WA 98032

**KAISER
ALUMINUM**
Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4220812

CUSTOMER PO NUMBER: 55F450	WORK PACKAGE:	CUSTOMER PART NUMBER: 062322-3	SHIP RUN/LOAD: 102009/6	GOV'T CONTRACT NUMBER:		
KAISER ORDER NO: 1110688	LINE ITEM: 1	SHIP DATE: 16-MAR-2011	ALLOY: 2024	CLAD: CLAD	TEMPER: T3	PRODUCT DESCRIPTION: HT Flat Sheet
WEIGHT SHIPPED: 1371 LB	QUANTITY: 39 PCS EST.	B/L NUMBER: 2031246	GAUGE: 0.0500 IN	DIAMETER/WIDTH: 48.000 IN	LENGTH: 144.000 IN	

Certified Specifications

AMS 4041/RevQ
CMMP 019/RevD

AMS-QQ-A-250/5/RevA
CMMP 025/RevT

ASTM B 209/Rev07

Test Code: 1505

Test Results

Lot: 537782A5 Cast 526 Drop 47 Ingot 5 Melted in USA

(ASTM E8/B557)
(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T3	LT / 2 (Min:Max)	61.2 : 62.2 (422 : 429)	41.3 : 42.5 (285 : 293)	16.4 : 19.2

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual	0.09	0.19	4.5	0.54	1.3	0.01	0.11	0.01	0.01	0.01	TOT 0.05

ALLOY LIMITS

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
2024												
MIN	0.00	0.00	3.8	0.30	1.2	0.00	0.00	0.00	0.00	0.00	EACH	0.05
MAX	0.50	0.50	4.9	0.9	1.8	0.10	0.25	0.15	0.05	0.05	TOT	0.15

Liner Alloy:	1230											
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	EACH	0.03
MAX	0.30	0.30	0.10	0.05	0.05	0.03	0.05	0.03	0.03	0.03	TOT	0.00

Aluminum Remainder

COPPER AND BRASS SALES

SOLD TO: Personnel 4/15

DATE: 5-2 QTY: 3PC

CUSTOMER PO: PEC-229977

SHIPPER NO: 1246668

BY: 2402

KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

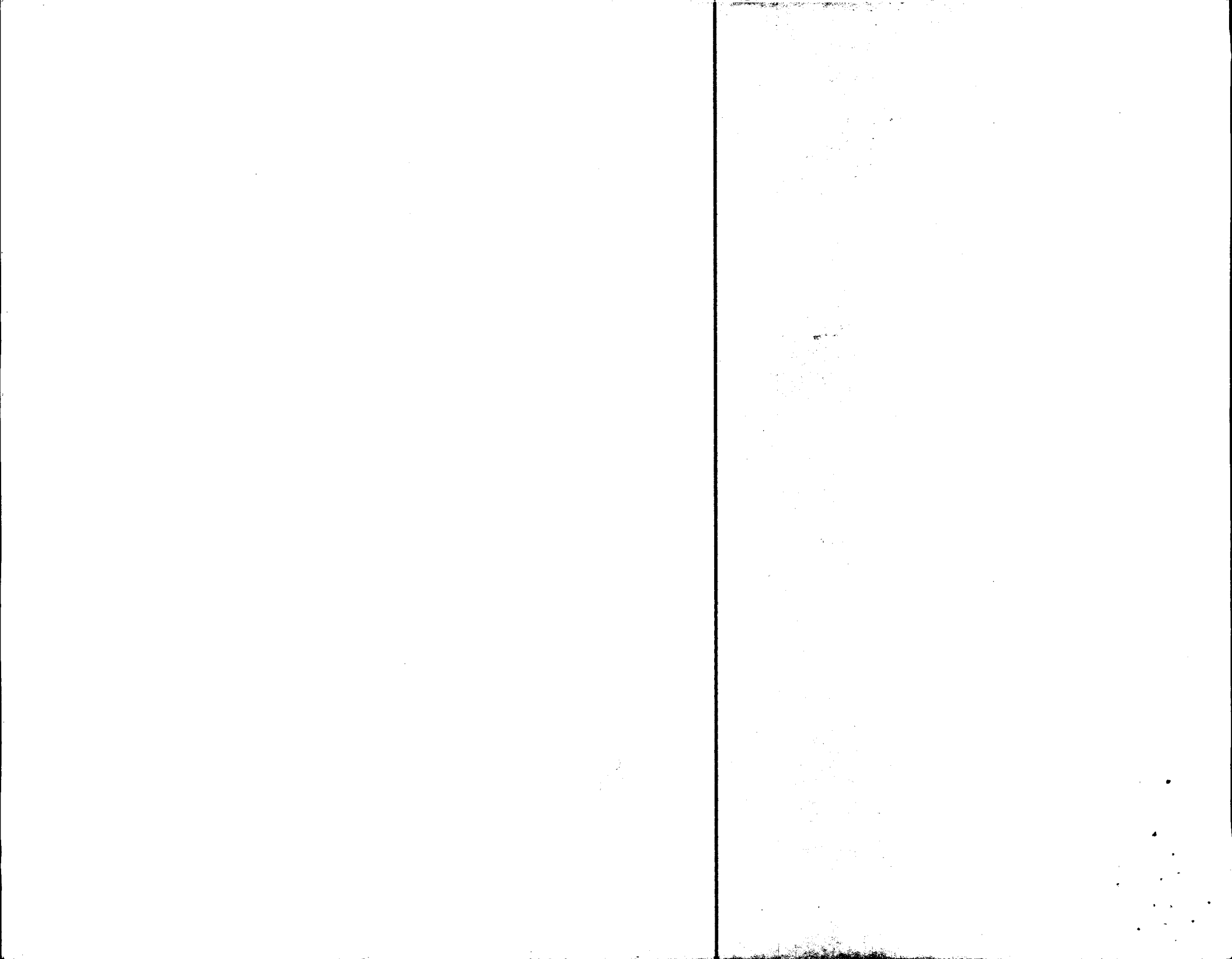
Serial Number
4220812

CERTIFICATION

KAISER ALUMINUM FABRICATED PRODUCTS, LLC (KAISER) HEREBY CERTIFIES THAT METAL SHIPPED UNDER THIS ORDER WAS MELTED IN THE UNITED STATES OF AMERICA OR A QUALIFYING COUNTRY PER DFARS 225.872-1(a), WAS MANUFACTURED IN THE UNITED STATES OF AMERICA, AND MEETS THE REQUIREMENTS OF DFARS 252.225 FOR DOMESTIC CONTENT. THIS MATERIAL HAS BEEN INSPECTED, TESTED, AND FOUND IN CONFORMANCE WITH THE REQUIREMENTS OF THE APPLICABLE SPECIFICATIONS AS INDICATED HEREIN. ALL METAL WHICH IS SOLUTION HEAT TREATED COMPLIES WITH AMS 2772. ANY WARRANTY IS LIMITED TO THAT SHOWN ON KAISER'S STANDARD GENERAL TERMS AND CONDITIONS OF SALE. TEST REPORTS SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF KAISER ALUMINUM FABRICATED PRODUCTS, LLC LABORATORY. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTIRES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW. ISO-9001:2000 CERTIFIED.



BILL POYNOR, LABORATORIES SUPERVISOR



ALFLR 0158

(4)

SHIP TO: Charleston Aluminum LLC 480 Frontage Rd. Gaston, SC 22053		KAISER ALUMINUM Trentwood Works - Spokane, WA 99215	
SOLD TO: Charleston Aluminum LLC 480 Frontage Rd. Gaston, SC 22053		CERTIFIED TEST REPORT Serial Number 4212218	
CUSTOMER PO NUMBER: NJ 527270	WORK PACKAGE:	CUSTOMER PART NUMBER:	SHIP RUN/LOAD: 101940/14
KAISER ORDER NO: 1108750	LINE ITEM: 1	SHIP DATE: 8-DEC-2010	ALLOY: 2024
		CLAD: BARE	TEMPER: T3
PRODUCT DESCRIPTION: HT Flat Sheet			
WEIGHT SHIPPED: 1684 LB	QUANTITY: 116 PCS EST.	B/L NUMBER: 2029855	GAUGE: 0.0200 IN
		DIAMETER/WIDTH: 48.000 IN	LENGTH: 144.000 IN

Certified Specifications

AMS 4037/RevN



AMS-QQ-A-250/4/Rev A

ASTM B 209/Rev07

Test Code: 1504

Test Results

Lot: 526944A4 Cast 515

Drop 21

Ingot 4

(ASTM E8/B557)

(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T3	LT / 2 (Min:Max)	67.1 : 67.4 (463 : 465)	44.7 : 44.9 (308 : 310)	15.7 : 15.8

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual	0.08	0.17	4.5	0.58	1.3	0.01	0.18	0.02	0.01	0.00	TOT 0.03

ALLOY LIMITS

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
2024 MIN	0.00	0.00	3.8	0.30	1.2	0.00	0.00	0.00	0.00	0.00	EACH	0.05
MAX	0.50	0.50	4.9	0.9	1.8	0.10	0.25	0.15	0.05	0.05	TOT	0.16

Aluminum Remainder

CERTIFICATION

KAISER ALUMINUM FABRICATED PRODUCTS, LLC (KAISER) HEREBY CERTIFIES THAT METAL SHIPPED UNDER THIS ORDER WAS MELTED IN THE UNITED STATES OF AMERICA OR A QUALIFYING COUNTRY PER DFARS 228.872-1(a), WAS MANUFACTURED IN THE UNITED STATES OF AMERICA, AND MEETS THE REQUIREMENTS OF DFARS 252.225 FOR DOMESTIC CONTENT. THIS MATERIAL HAS BEEN INSPECTED, TESTED, AND FOUND IN CONFORMANCE WITH THE REQUIREMENTS OF THE APPLICABLE SPECIFICATIONS AS INDICATED HEREIN. ALL METAL WHICH IS SOLUTION HEAT TREATED COMPLIES WITH AMS 2772. ANY WARRANTY IS LIMITED TO THAT SHOWN ON KAISER'S STANDARD GENERAL TERMS AND CONDITIONS OF SALE. TEST REPORTS SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF KAISER ALUMINUM FABRICATED PRODUCTS, LLC LABORATORY. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW. ISO-9001:2000 CERTIFIED.

BILL POYNOR, LABORATORIES SUPERVISOR

Page 1 of 1

Date 05/02/11
Customer ThyssenKrupp Materials NA-ECAD
These Tests Are For Material Shipped On
Your Order PEC-229977
From Copper And Brass Sales, Inc.
INV/NO 2401246716
WGT 13,824 PCS 1
RApt QC

COPPER AND BRASS SALES**MATERIAL TYPE****ALUMINIUM ALLOYS****PRODUCT DESIGNATION****2014 2024 2224 2324 7050 7075 7150 7175 7475 ALUMEC 89 ALUMEC 99 QC-7****"WARNING"**

SMALL CHIPS,FINE TURNINGS AND DUST MAY IGNITE READILY.EXPLOSION POTENTIAL MAY BE PRESENT WHEN:DUST OR FINES ARE DISPERSED IN THE AIR; FINE, DUST OR MOLTEN ALUMINUM ARE IN CONTACT WITH CERTAIN METAL OXIDES; OR,CHIPS,FINES,DUST OR MOLTEN ALUMINUM ARE IN CONTACT WITH WATER OR MOISTURE.KEEP AWAY FROM IGNITION SOURCE.USE EXPLOSION-PROOF VENTILATION.KEEP MATERIAL DRY.

THIS PRODUCT CONTAINS BERYLLIUM AND COPPER.INHALING BERYLLIUM DUST OR FUMES MAY CAUSE CHRONIC BERYLLIUM DISEASE (CBD),A SERIOUS CHRONIC LUNG DISEASE IN SOME INDIVIDUALS.BERYLLIUM IS A CANCER HAZARD;OVER TIME CBD AND CANCER CAN BE FATAL,TARGET ORGAN IS PRIMARILY THE LUNG.INHALING LARGE AMOUNTS OF COPPER,MAGNESIUM OXIDE,MANGANESE OXIDE,AND ZINC OXIDE FUMES OR DUST MAY CAUSE METAL FUME FEVER WITH FLU-LIKE SYMPTOMS.CHRONIC OVEREXPOSURE TO COPPER MAY CAUSE THICKENING OF THE SKIN;AND SKIN,TEETH,AND HAIR DISCOLORATION.CHRONIC OVEREXPOSURE TO MANGANESE DUST CAN CAUSE CENTRAL NERVOUS SYSTEM DAMAGE,SCARRING OF THE LUNGS AND REPRODUCTIVE HARM IN MALES.TARGET ORGAN IS PRIMARILY THE LUNG,BUT REPEATED HIGH EXPOSURE CAN ALSO AFFECT THE LIVER.CHRONIC OVEREXPOSURE TO IRON OXIDE DUST/FUME MAY CAUSE LUNG SIDEROSIS.CHRONIC OVEREXPOSURE TO SILICON DUST CAN CAUSE CHRONIC BRONCHITIS.OVEREXPOSURE TO AMORPHOUS SILICA CAN CAUSE DRYING OF THE MUCOUS MEMBRANES OF THE EYES,NOSE,AND THROAT.

THIS PRODUCT ALSO CONTAINS NICKEL AND CHROMIUM COMPOUNDS.INHALATION OF NICKEL DUST OR FUME MAY RESULT IN INFLAMMATION OF THE RESPIRATORY TRACT AND CAUSE NASAL AND/OR LUNG CANCER.NICKEL HAS BEEN IDENTIFIED AS A POTENTIAL HUMAN CARCINOGEN.EXPOSURE TO CHROMIUM DUST OR FUMES MAY CAUSE METAL FUME FEVER WITH FLU-LIKE SYMPTOMS AND KIDNEY AND LIVER DAMAGE.UNDER HIGH TEMPERATURES,HEXAVALENT CHROMIUM MAY BE PRODUCED,IF IN THE INSOLUBLE FORM,IT IS A CONFIRMED HUMAN CARCINOGEN.(CALIFORNIA PROPOSITION 65).

IF COATED WITH OIL,MAY CAUSE SKIN IRRITATION/DERMATITIS BY CONTACT.WELDING FUME IS LISTED AS A POSSIBLE CARCINOGENIC TO HUMANS.

READ THE ALUMINIUM/ALUMINIUM ALLOYS MATERIAL SAFETY DATA SHEET (MSDS) ON FILE WITH YOUR EMPLOYER BEFORE WORKING WITH THIS MATERIAL.

* If processing or recycling produces particulate,use exhaust ventilation or other controls designed to prevent exposure to workers. Examples of such activities include melting, welding,grinding,abrasive sawing,sanding and polishing.Any activity which abrades the surface of this material can generate airborne particulate.Use appropriate NIOSH approved respiratory protection (P95; P100 for lead with, quantitative fit testing required) if exposures exceed the permissible limits.

* The Occupational Safety and Health Administration (OSHA) have set mandatory limits on occupational exposures.

* Aluminum, in solid form and as contained in finished products presents no special health risk.

* Sold for manufacturing purposes only.This product can be recycled; contact your sales representative.

For additional information, call or write to Copper and Brass Sales,22355 West Eleven Mile Road, Southfield, MI 48033,telephone 248-233-5600, or visit our web site @ www.copperandbrass.com.

CERTIFICATE OF TESTS

000772059

ABNAHMEPRUEFZEUGNIS

CERTIFICAT DE CONTROLE



TALLEY METALS

A Carpenter Company

Talley Metals Technology, Inc.

P.O. Box 2498

Hartsville, SC. 29551

Tel. (843) 335-7540 Fax. (843) 335-6465

THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES INCLUDING FEDERAL LAW, TITLE 18, CHAPTER 47. THE VALUE AND OTHER TECHNICAL DATA REPRESENT THE RESULTS OF ANALYSIS AND TESTS MADE ON SAMPLES COLLECTED FROM THE TOTAL LOT. ORIGINAL DATA RECORDS CAN BE TRACED BY REFERENCE TO THE CARPENTER ORDER NUMBER.

MATERIAL IS MANUFACTURED FREE FROM MERCURY, RADIUM AND ALPHA SOURCE CONTAMINATION. THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF CARPENTER TECHNOLOGY CORPORATION.

2011-04-13

CUSTOMER / BESTELLER / CLIENT

SELLER / VERKÄUFER / VENDEUR

Page - 1

CUSTOMER ORDER NO./BESTELL - NR./N° DE COMMANDE	CARPENTER NO./WERKS - NR./N° DE REFERENCE INTERNE	DATE/DATUM/DATE	WEIGHT/GEWICHT/POIDS
5400095931-0120	W92633 W92633	2011-04-13	2525.0

HEAT NUMBER / SCHMELZE-NR./N° DE COULÉE

G17441

PRODUCT DESCRIPTION: TYPE 17-4 SOLUTION ANNEALED ROUGH TURNED
 ----- PART NUMBER: SSRD00474

SPECIFICATION: TALLEY 174-T1A CAP OF H900 (01/11/99)

----- AMS 2303 REV F (08/ /10)

AMS 2315 REV F (01/ /08)

AMS 5643 REV R (02/ /08)

ASTM-A484-10

ASTM-A564-10

ASME-SA564 2010 EDITION (TYPE 630)

ASTM-F899-10 (CHEM ONLY)

SIZE 4.000000 IN. (101.60 MM) RD BAR

PRIMARY HEAT CHEMISTRY (WT%): (TEST METHOD IS SHOWN IN PARENTHESIS)

C (COM)	MN (XRF)	SI (XRF)	P (XRF)	S (COM)	CR (XRF)
0.027	0.84	0.42	0.021	0.020	15.34

NI (XRF)	MO (XRF)	CU (XRF)	N (FUS)	CB (XRF)	TA (XRF)
4.25	0.17	3.70	0.034	0.26	LT .01

CB+TA
0.27

THIS HEAT MELTED BY THE ELECTRIC ARC/AOD PROCESSES

DISCS MACROETCHED AND APPROVED

HARDNESS AS SHIPPED, HBW - 360 (MIDRADIUS)

MAGNETIC PARTICLE: FREQUENCY = 0 / SEVERITY = 0

MICROSTRUCTURE - FERRITE 1.39%

SOLUTION ANNEALED - 1900 F, 1 HOUR - RAPID COOL

CONTINUED ON NEXT PAGE

This certification is made to the customer printed on this form. Carpenter neither makes, nor assumes responsibility for, any representation or certification to other parties.
 Die vorliegende Zertifizierung ist nur für den in diesem Formular genannten Kunden gültig. Carpenter übernimmt gegenüber Dritten keinerlei Haftung für die ausgewiesenen Daten oder Zertifizierungen.
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W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE		By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

CERTIFICATE OF TESTS
 000772059

ABNAHMEPRUEFZEUGNIS
CERTIFICAT DE CONTROLE

TALLEY METALS
A Carpenter Company

Talley Metals Technology, Inc.

P.O. Box 2498

Hartsville, SC. 29551

Tel. (843) 335-7540 Fax. (843) 335-6465

THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES INCLUDING FEDERAL LAW, TITLE 18, CHAPTER 47. THE VALUE AND OTHER TECHNICAL DATA REPRESENT THE RESULTS OF ANALYSIS AND TESTS MADE ON SAMPLES COLLECTED FROM THE TOTAL LOT. ORIGINAL DATA RECORDS CAN BE TRACED BY REFERENCE TO THE CARPENTER ORDER NUMBER. MATERIAL IS MANUFACTURED FREE FROM MERCURY, RADIUM AND ALPHA SOURCE CONTAMINATION. THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF CARPENTER TECHNOLOGY CORPORATION.

2011-04-13

CUSTOMER / BESTELLER / CLIENT

SELLER / VERKÄUFER / VENDEUR

Page - 2

CUSTOMER ORDER NO./BESTELL - NR./N° DE COMMANDE	CARPENTER NO./WERKS - NR./N° DE REFERENCE INTERNE	DATE/DATE/DATE	WEIGHT/GEWICHT/POIDS
5400095931-0120	W92633 W92633	2011-04-13	2525.0

HEAT NUMBER / SCHMELZE-NR./N° DE COULEE

G17441

CAPABILITY

900 F (482 C), 01 HR

AIR COOL

(T) RANSVERSE (L) ONGITUDINAL	L
YIELD STRENGTH, (0.20 %) KSI (MPA)	188.0 (1296)
TENSILE STRENGTH, KSI (MPA)	206.0 (1420)
ELONGATION IN 2.00", %	13.0
REDUCTION OF AREA, %	42.0
HARDNESS, HBW	408.0

(CONVERTED FROM TENSILE STRENGTH)

NO WELD REPAIR PERFORMED

MATERIAL PRODUCED ON THIS ORDER WAS MELTED AND MANUFACTURED IN THE U.S.A. MATERIAL HAS BEEN MELTED IN USA OR QUALIFYING COUNTRY TO DFARS REQUIREMENTS 252.225-7014 WITH ALTERNATE 1 FOR QUALIFYING COUNTRY 225.872.1, SUPERSEDED BY DFARS REQUIREMENTS DFARS 252.225-7008 AND 252.225-7009. WE HEREBY CERTIFY THAT THE ABOVE TEST DATA ARE IN ACCORDANCE WITH THE PURCHASE ORDER AND SPECIFICATION REQUIREMENTS. CERTIFICATE OF TEST IS PREPARED IN ACCORDANCE WITH PARAGRAPH 3.1 OF EN 10204 (DIN50049)

STEPHANIE E. MCCULLUM
 QUALITY ASSURANCE ENGINEER
 CARPENTER TECHNOLOGY CORPORATION

This certification is made to the customer printed on this form. Carpenter neither makes, nor assumes responsibility for, any representation or certification to other parties. Die vorliegende Zertifizierung ist nur für den in diesem Formular genannten Kunden gültig. Carpenter übernimmt gegenüber Dritten keinerlei Haftung für die ausgewiesenen Daten oder Zertifizierungen. Ce certificat est uniquement valable pour le client dont le nom est imprimé sur ce formulaire. Carpenter n'assume pas de responsabilité pour une certification vis-à-vis d'une tierce personne.

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE		By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Corus Aluminium Walzprodukte GmbH
Postfach 100331 · D-56033 Koblenz



CORUS

2

INSPECTION CERTIFICATE (EN 10204/3.1) / TEST REPORT / APPROVED CERTIFICATE

NO.: 1178149 SERIAL-NO.: PAGE: 1 / 03
PURCHASER: CHARLESTON ALUMINIUM ORDER NO. PURCH.: 7679-01/4631-E-01
TRADING CO. ORDER NO. MAN.: 30236
GASTON, SC SPEC.: AMS4037+B209+Q0230/4
CUSTOMER PART NO.:
ITEM: 01 LOT: 183665 ALLOY/TEMPER: 2024-T3 BARE PRODUCT: COIL
QUANTITY: 306 DIMENSIONS: 0.040 X 48.00 X 144.00 INS

RESULTS:**Mechanical properties:**

Charleston Aluminum LLC
480 Frontage Rd.
Gaston, SC 29053

Pl. No.	Spec. No.	Y.S.	U.T.S.	El.
		KSI	KSI	%
Min. LT:		42,0	63,0	15,0
Max. LT:				
1 A		44,7	66,0	19,6
2 A		44,5	65,7	18,3
3 A		44,7	65,6	18,6
4 A		44,4	66,0	20,3
5 A		44,5	65,6	18,4
6 A		44,7	66,3	18,4

Chemical composition: in % , remainder Al

Cast No.: 4-06-4951

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	B
0,043	0,119	4,626	0,630	1,450	0,002	0,076	0,0228	0,0005
Zr	Pb	Ni	Sn	Se	Na	Li	V	H2 (*)
0,0017	0,0019	0,0052	0,0050	0,0000	0,0001	0,0000	0,0090	0,06
Al	Ti	Ti+Zr	Cu/Mg	Fe/Si				
		0,024	3,190					

(*) = HZ in ml/100 g AL

Other tests:

Dimensional check: OK
Surface control: OK

Normative references:

LEGIERUNGSNORM/CHEMICAL COMPOSITION STANDARD/COMPOSITION CHIMIQUE
AMS 4037N+ASTM B 209-04+AMS-QQ-A-250/4A SEP1998
FESTIGKEITSNORM/MECH. PROP. STANDARD/CARACTERISTIQUE MECANIQUE
AMS 4037N+ASTM B 209-04+AMS-QQ-A-250/4A SEP1998

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE		By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)							
DATE	STEP	Description of NC Section A	Corrective Action		Section B		Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date				

NOTE: Date & initial all entries

Corus Aluminium Walzprodukte GmbH
Postfach 100331 - D-56033 Koblenz

**corus****INSPECTION CERTIFICATE (EN 10204/3.1) / TEST REPORT / APPROVED CERTIFICATE**

NO.: 1178149 SERIAL-NO.: PAGE: 2 / 03
PURCHASER: CHARLESTON ALUMINIUM ORDER NO. PURCH.: 7679-01/4631-E-01
TRADING CO. ORDER NO. MAN.: 90236
GASTON, SC SPEC.: AMS4037+B209+Q0250/4
CUSTOMER PART NO.:
ITEM: 01 LOT: 183668 ALLOY/TEMPER: 2024-T3 BARE PRODUCT: COIL
QUANTITY: 306 DIMENSIONS: 0.040 x 48.00 x 144.00 INS

ABMESSNORM/DIMENSIONAL TOLERANCE STAN./NORME TOLERANCES

AMS 2202N+ANSI H35.2 2006

BESTELLNORM/SPECIFICATION/NORME

AMS 4037N+ASTM B 209-04+AMS-QQ-A-250/4A SEP1998

Bend test:

L-direction

LT-direction OK

ST-direction

Charleston Aluminum LLC
480 Frontage Rd.
Gaston, SC 29053

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE		By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Corus Aluminium Walzprodukte GmbH
Postfach 100331 · D-56033 Koblenz

**CORUS****INSPECTION CERTIFICATE (EN 10204/3.1) / TEST REPORT / APPROVED CERTIFICATE**

NO.: 1178149 SERIAL-NO.: PAGE: 3 / 03
PURCHASER: CHARLESTON ALUMINIUM ORDER NO. PURCH.: 7679-01/4631-E-01
TRADING CO. ORDER NO. MAN.: 90236
GASTON, SC SPEC.: AMS4037+B209+Q0250/4
CUSTOMER PART NO.:

Remarks:

CERTIFIED THAT THE WHOLE OF THE SUPPLIES DETAILED HEREON HAVE BEEN
INSPECTED, TESTED AND, UNLESS OTHERWISE STATED ABOVE, CONFORM IN ALL
RESPECTS WITH THE REQUIREMENTS OF THE SPECIFICATION, CONTRACT OR ORDER.

Charleston Aluminum LLC
480 Frontage Rd.
Gaston, SC 29053

Enclosures:

Koblenz, the 14.11.06 ND

G. Mettler
Quality Assurance

Corus Aluminium
Walzprodukte GmbH
Koblenz

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE		By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)							
DATE	STEP	Description of NC Section A	Corrective Action		Section B		Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date				

NOTE: Date & initial all entries

(3)

SHIP TO:

THYSSENKRUPP AEROSPACE(KENT)
5002 D STREET NW
BUILDING 35 S
AUBURN, WA 98001

KAISER
ALUMINUM

Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4220812

SOLD TO:

THYSSENKRUPP AEROSPACE(KENT)
6811 SOUTH 204TH STREET
SUITE 400
KENT, WA 98032

CUSTOMER PO NUMBER: 55F450		WORK PACKAGE:	CUSTOMER PART NUMBER: 062322-3		SHIP RUN/LOAD: 102009/6	GOVT CONTRACT NUMBER:
KAISER ORDER NO: 1110688	LINE ITEM: 1	SHIP DATE: 16-MAR-2011	ALLOY: 2024	CLAD: CLAD	TEMPER: T3	PRODUCT DESCRIPTION: HT Flat Sheet
WEIGHT SHIPPED: 1371 LB	QUANTITY: 39 PCS EST.	B/L NUMBER: 2031246	GAUGE: 0.0500 IN		DIAMETER/WIDTH: 48.000 IN	LENGTH: 144.000 IN

Certified Specifications

AMS 4041/RevQ
CMMP 019/RevD

AMS-QQ-A-250/5/RevA
CMMP 025/RevT

ASTM B 209/Rev07

Test Code: 1505

Test Results

Lot: 537782A5 Cast 526

Drop 47

Ingot 5

Melted in USA

(ASTM E8/B557)

(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T3	LT / 2 (Min:Max)	61.2 : 62.2 (422 : 429)	41.3 : 42.5 (285 : 293)	16.4 : 19.2

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual	0.09	0.19	4.5	0.54	1.3	0.01	0.11	0.01	0.01	0.01	TOT 0.05

ALLOY LIMITS

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
2024												
MIN	0.00	0.00	3.8	0.30	1.2	0.00	0.00	0.00	0.00	0.00	EACH	0.05
MAX	0.50	0.50	4.9	0.9	1.8	0.10	0.25	0.15	0.05	0.05	TOT	0.15
Liner Alloy:	1230											
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	EACH	0.03
MAX	0.30	0.30	0.10	0.05	0.05	0.03	0.05	0.03	0.03	0.03	TOT	0.00

Aluminum Remainder

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE		By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

**KAISER
ALUMINUM**

Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4220812

CERTIFICATION

KAISER ALUMINUM FABRICATED PRODUCTS, LLC (KAISER) HEREBY CERTIFIES THAT METAL SHIPPED UNDER THIS ORDER WAS MELTED IN THE UNITED STATES OF AMERICA OR A QUALIFYING COUNTRY PER DFARS 225.872-1(a), WAS MANUFACTURED IN THE UNITED STATES OF AMERICA, AND MEETS THE REQUIREMENTS OF DFARS 252.225 FOR DOMESTIC CONTENT. THIS MATERIAL HAS BEEN INSPECTED, TESTED, AND FOUND IN CONFORMANCE WITH THE REQUIREMENTS OF THE APPLICABLE SPECIFICATIONS AS INDICATED HEREIN. ALL METAL WHICH IS SOLUTION HEAT TREATED COMPLIES WITH AMS 2772. ANY WARRANTY IS LIMITED TO THAT SHOWN ON KAISER'S STANDARD GENERAL TERMS AND CONDITIONS OF SALE. TEST REPORTS SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF KAISER ALUMINUM FABRICATED PRODUCTS, LLC LABORATORY. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW. ISO-9001:2000 CERTIFIED.


BILL POYNOR, LABORATORIES SUPERVISOR

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE		By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)							
DATE	STEP	Description of NC Section A	Corrective Action		Section B		Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date				

NOTE: Date & initial all entries

ALFLR 01578

(4)

SHIP TO: Charleston Aluminum LLC 480 Frontage Rd. Gaston, SC 20053		KAISER ALUMINUM Trentwood Works - Spokane, WA 99215	
SOLD TO: Charleston Aluminum LLC 480 Frontage Rd. Gaston, SC 20053		CERTIFIED TEST REPORT Serial Number 4212218	
CUSTOMER PO NUMBER: NJ 527270	WORK PACKAGE:	CUSTOMER PART NUMBER:	SHIP UNLOAD: 101940/14
KAISER ORDER NO: 1108750	LINE ITEM: 1	SHIP DATE: 8-DEC-2010	ALLOY: 2024
CLAD: BARE	TEMPER: T3	PRODUCT DESCRIPTION: HT Flat Sheet	
WEIGHT SHIPPED: 1684 LB	QUANTITY: 116 PCS EST.	BAL. NUMBER: 2029955	GAUGE: 0.0200 IN
DIAMETER/WIDTH: 48.000 IN		LENGTH: 144.000 IN	

Certified Specifications

AMS 4037/RevN



AMS-QQ-A-250/4/RevA

ASTM B 209/Rev07

Test Code: 1504

Test Results

Lot: 526944A4 Cast 515

Drop 21

Ingot 4

(ASTM B8/B557)

(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T3	LT / 2 (Min:Max)	67.1 : 67.4 (463 : 465)	44.7 : 44.8 (308 : 310)	15.7 : 15.8

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual	0.08	0.17	4.5	0.68	1.3	0.01	0.18	0.02	0.01	0.00	TOT 0.03

ALLOY LIMITS

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
2024 MIN	0.00	0.00	3.8	0.30	1.2	0.00	0.00	0.00	0.00	0.00	EACH	0.05
MAX	0.50	0.50	4.9	0.9	1.8	0.10	0.25	0.15	0.05	0.05	TOT	0.16

Aluminum Remainder

CERTIFICATION

KAISER ALUMINUM FABRICATED PRODUCTS, LLC (KAISER) HEREBY CERTIFIES THAT METAL SHIPPED UNDER THIS ORDER WAS MELTED IN THE UNITED STATES OF AMERICA OR A QUALIFYING COUNTRY PER DFARS 225.872-1(h), WAS MANUFACTURED IN THE UNITED STATES OF AMERICA, AND MEETS THE REQUIREMENTS OF DFARS 252.225 FOR DOMESTIC CONTENT. THIS MATERIAL HAS BEEN INSPECTED, TESTED, AND FOUND IN CONFORMANCE WITH THE REQUIREMENTS OF THE APPLICABLE SPECIFICATIONS AS INDICATED HEREIN. ALL METAL WHICH IS SOLUTION HEAT TREATED COMPLIES WITH AMS 2772. ANY WARRANTY IS LIMITED TO THAT SHOWN ON KAISER'S STANDARD GENERAL TERMS AND CONDITIONS OF SALE. TEST REPORTS SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF KAISER ALUMINUM FABRICATED PRODUCTS, LLC LABORATORY. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW. ISO-9001:2000 CERTIFIED.

BILL POYNOR, LABORATORIES SUPERVISOR

Page 1 of 1

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE		By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)							
DATE	STEP	Description of NC Section A	Corrective Action		Section B		Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date				

NOTE: Date & initial all entries

FORM: 1006

WORKORDER:

2401246716

COPPER AND BRASS SALES

MATERIAL TYPE

ALUMINIUM ALLOYS

PRODUCT DESIGNATION

2014 2024 2224 2324 7050 7075 7150 7175 7475 ALUMEC 89 ALUMEC 99 QC-7

"WARNING"

SMALL CHIPS,FINE TURNINGS AND DUST MAY IGNITE READILY.EXPLOSION POTENTIAL MAY BE PRESENT WHEN:DUST OR FINES ARE DISPERSED IN THE AIR; FINE, DUST OR MOLTEN ALUMINUM ARE IN CONTACT WITH CERTAIN METAL OXIDES; OR,CHIPS,FINES,DUST OR MOLTEN ALUMINUM ARE IN CONTACT WITH WATER OR MOISTURE.KEEP AWAY FROM IGNITION SOURCE.USE EXPLOSION-PROOF VENTILATION.KEEP MATERIAL DRY.

THIS PRODUCT CONTAINS BERYLLIUM AND COPPER.INHALING BERYLLIUM DUST OR FUMES MAY CAUSE CHRONIC BERYLLIUM DISEASE (CBD),A SERIOUS CHRONIC LUNG DISEASE IN SOME INDIVIDUALS.BERYLLIUM IS A CANCER HAZARD;OVER TIME CBD AND CANCER CAN BE FATAL.TARGET ORGAN IS PRIMARILY THE LUNG.INHALING LARGE AMOUNTS OF COPPER,MAGNESIUM OXIDE,MANGANESE OXIDE,AND ZINC OXIDE FUMES OR DUST MAY CAUSE METAL FUME FEVER WITH FLU-LIKE SYMPTOMS.CHRONIC OVEREXPOSURE TO COPPER MAY CAUSE THICKENING OF THE SKIN;AND SKIN,TEETH,AND HAIR DISCOLORATION.CHRONIC OVEREXPOSURE TO MANGANESE DUST CAN CAUSE CENTRAL NERVOUS SYSTEM DAMAGE,SCARRING OF THE LUNGS AND REPRODUCTIVE HARM IN MALES.TARGET ORGAN IS PRIMARILY THE LUNG,BUT REPEATED HIGH EXPOSURE CAN ALSO AFFECT THE LIVER.CHRONIC OVEREXPOSURE TO IRON OXIDE DUST/FUME MAY CAUSE LUNG SIDEROSIS.CHRONIC OVEREXPOSURE TO SILICON DUST CAN CAUSE CHRONIC BRONCHITIS.OVEREXPOSURE TO AMORPHOUS SILICA CAN CAUSE DRYING OF THE MUCOUS MEMBRANES OF THE EYES,NOSE,AND THROAT.

THIS PRODUCT ALSO CONTAINS NICKEL AND CHROMIUM COMPOUNDS.INHALATION OF NICKEL DUST OR FUME MAY RESULT IN INFLAMMATION OF THE RESPIRATORY TRACT AND CAUSE NASAL AND/OR LUNG CANCER.NICKEL HAS BEEN IDENTIFIED AS A POTENTIAL HUMAN CARCINOGEN.EXPOSURE TO CHROMIUM DUST OR FUMES MAY CAUSE METAL FUME FEVER WITH FLU-LIKE SYMPTOMS AND KIDNEY AND LIVER DAMAGE.UNDER HIGH TEMPERATURES,HEXAVALENT CHROMIUM MAY BE PRODUCED,IF IN THE INSOLUBLE FORM,IT IS A CONFIRMED HUMAN CARCINOGEN.(CALIFORNIA PROPOSITION 65).

IF COATED WITH OIL,MAY CAUSE SKIN IRRITATION/DERMATITIS BY CONTACT.WELDING FUME IS LISTED AS A POSSIBLE CARCINOGENIC TO HUMANS.

READ THE ALUMINIUM/ALUMINIUM ALLOYS MATERIAL SAFETY DATA SHEET (MSDS) ON FILE WITH YOUR EMPLOYER BEFORE WORKING WITH THIS MATERIAL.

* If processing or recycling produces particulate,use exhaust ventilation or other controls designed to prevent exposure to workers. Examples of such activities include melting, welding,grinding,abrasive sawing,sanding and polishing.Any activity which abrades the surface of this material can generate airborne particulate.Use appropriate NIOSH approved respiratory protection (P95; P100 for lead with, quantitative fit testing required) if exposures exceed the permissible limits.

* The Occupational Safety and Health Administration (OSHA) have set mandatory limits on occupational exposures.

* Aluminum, in solid form and as contained in finished products presents no special health risk.

* Sold for manufacturing purposes only.This product can be recycled; contact your sales representative.

For additional information, call or write to Copper and Brass Sales,22355 West Eleven Mile Road, Southfield, MI 48033,telephone 248-233-5600, or visit our web site @ www.copperandbrass.com.

ALUMINUM LABEL NO. 300-1056

ISSUED 10/01/2008

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE		By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

05/02/11
10:42 AM EDT

STELfax

From: THYSSENKRUPP MATERIALS NA
STAN IVERS
Tel: 905 669 9444
Fax: 9057389033

To: DART AEROSPACE
Attn: 96294
Tel: 613-632-9577
Fax: 613-632-1053
Number of Pages: 2

Subject: Sales Acknowledgement

02May11 10:41 S A L E S A C K N O W L E D G M E N T No: PEC ST-326920

Sold By:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 9057389033

Sold To: (20115)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7

Ship To: (1)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7

Con 96294 PO/Rel 13976
 Slp STAN IVERS (905-532-1350) Tel 613-632-9577 Fax 613-632-1053

S A L E S A C K N O W L E D G M E N T SO No PEC ST-326920
 Test Certs: Chem Y Phys Y 1 Original copies with Shipment, 1 with Invoice

1 ALUMINUM ROUND BAR 7075T7351	12 PCS	146 LBS
3.50" DIA X 12.5000"		
Part No QQ-A-225/9		
<<<----- SPECIFICATIONS ----->>>		
Ga Tol + 0.0000 - 0.0000 Pc/Tag 12		
WthTol + 0.0000 - 0.0000 Wt/Skd		
LthTol + 0.1250 - 0.0000 Ty Pk		
MATERIAL	12 PCS @	65.0000 EA 780.00

ADD ON TO 326915 SUR-CHARGE PAID

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
 WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
 TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **

** REFERENCED ON IT **

** CUSTOMER PICK-UP HRS / 9:00 AM TO 4:00 PM **

*** TEL. 800-926-2600 ***

* WE STOCK STAINLESS STEEL!!!! *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$20.00 ENERGY SURCHARGE WILL BE
 ADDED TO EVERY ORDER.***

Order Totals:				1 Items	146 LBS

Material	Processing	Freight	Other	Taxes	ORDER AMT
780.00				101.40	881.40

Taxes: ONHSTS		101.40			

02May11 10:39 S A L E S A C K N O W L E D G M E N T No: PEC ST-326915

Sold By:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 9057389033

Sold To: (20115)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7

Ship To: (1)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7

Trm NET 30 DAYS/NET 30 JOURS Ord 02May11 Due05May11
 Frt PREPAID Via VIM TRANSFER TRUCK FOB CONCORD
 Con 96294 PO/Rel 13976
 Slp STAN IVERS (905-532-1350) Tel 613-632-9577 Fax 613-632-1053

S A L E S A C K N O W L E D G M E N T SO No PEC ST-326915
 Test Certs: Chem Y Phys Y 1 Original copies with Shipment, 1 with Invoice

1 STAINLESS STEEL ROUND BAR 17-4 HFRT	10 PCS	181 LBS
4.00" DIA X 5.1000"		
Part No ASTM A564		
<<<----- SPECIFICATIONS ----->>>		
Ga Tol + 0.0000 - 0.0000 Pc/Tag 10		
WthTol + 0.0000 - 0.0000 Wt/Skd		
LthTol + 0.1250 - 0.0000 Ty Pk		
MATERIAL	10 PCS @	82.5000 EA 825.00
ENERGY & CAP SURCHG		20.0000 LOT 20.00

2 ALUMINUM SHEET 2024 -T3	4 PCS	108 LBS
.0400 Nom X 48.0000" X 144.0000"		
Part No QQ-A-250/4		
MATERIAL	4 PCS @	159.5000 EA 638.00

3 ALUMINUM SHEET 2024 -T3	3 PCS	101 LBS
.0500 Nom X 48.0000" X 144.0000"		
Part No 4-6 DAYS A.R.O QQ-A-250/4		
MATERIAL	3 PCS @	199.0000 EA 597.00

4 ALUMINUM SHEET 2024 -T3	1 PCS	13 LBS
.0200 Nom X 48.0000" X 144.0000"		
MATERIAL	1 PCS @	137.5000 EA 137.50

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
 WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
 TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **

** REFERENCED ON IT **

** CUSTOMER PICK-UP HRS / 9:00 AM TO 4:00 PM **

*** TEL. 800-926-2600 ***

* WE STOCK STAINLESS STEEL!!!! *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

02May11 10:39 S A L E S A C K N O W L E D G M E N T No: PEC ST-326915

Sold By:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 9057389033

Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

S A L E S A C K N O W L E D G M E N T SO No PEC ST-326915
Test Certs: Chem Y Phys Y 1 Original copies with Shipment, 1 with Invoice
***PLEASE NOTE A \$20.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

Order Totals: 4 Items 403 LBS

Material Processing Freight Other Taxes ORDER AMT
2,197.50 20.00 288.28 2,505.78

Taxes: ONHSTS 288.28



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO13976

Purchase Order Date 4/28/2011

PO Print Date 4/28/2011

Page Number 1 of 2

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Requisition Nbr	
Vendor Fax	905 738 9033	Tax Resale Nbr	10127-2607
Vendor Account Nbr		Terms	Net 30
		Currency	CAD
		FOB	Destination-Collect

Ship To : DART AEROSPACE LTD 1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAXED
4/28/11

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	D6103-003P	round alum billet	5/6/2011 Yes	12.00 Each	Yours ppd	\$65.0000	\$780.00
		Special Inst: AS PER DWG D6103 REV. B B68918 MATERIAL: 7075-T7351 AS PER QQ-A- 225/9 SIZE: 3.500" X 12.500" LONG TOLERANCE ON ALL DIMENSION ARE +0.030"/-0.000"					
2	D6104-005P 047	17-4 SS Roundbar 4.00"OD	5/6/2011 Yes	10.00 Each	Yours ppd	\$82.5000	\$825.00
		Special Inst: AS PER DWG D6104 REV. B B68922 MATERIAL: 17-4PH STAINLESS STEEL AS PER AMS 5643 OR AISI 630 TOLERANCE ON ALL DIMENSION ARE +0.030"/-0.000"					
3	M2024T3S.020 not 02	Alum. sheet .020	5/6/2011 Yes	48.00 sf	Yours ppd	\$2.8646	\$137.50

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 1

Change Date: 4/28/2011



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO13976

Purchase Order Date 4/28/2011

PO Print Date 4/28/2011

Page Number 2 of 2

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone

Vendor Fax

Vendor Account Nbr

905 669 9444

905 738 9033

Buyer

Requisition Nbr

Tax Resale Nbr

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

Destination-Collect

Special Inst: MATERIAL: 2024-T3 ALUMINUM SHEET
AS PER
QQ-A-250/4 OR AMS-QQ-A-250/4 OR
AMS 4037
OR ASTM B209

4	M2024T3S.040	2024-T3 .040 sheet	5/6/2011	196.00	Yours ppd	\$3.3229	\$651.29
	022		Yes	sf	192		

Special Inst: AS ABOVE

5	M2024T3S.050	2024-T3 .050 sheet	5/6/2011	144.00	Yours ppd	\$4.1458	\$597.00
	22		Yes	sf			

Special Inst: AS ABOVE

PO Total: \$2,990.78

MATERIAL CERTIFICATION
REQ'D UPON DELIVERY

Change Nbr: 1

Change Date: 4/28/2011

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

TRANSMISSION VERIFICATION REPORT

TIME : 04/28/2011 14:48
NAME :
FAX :
TEL :
SER.# : F9N212739

DATE, TIME	04/28 14:48
FAX NO./NAME	19057389033
DURATION	00:00:31
PAGE(S)	02
RESULT	OK
MODE	STANDARD
	ECM

Q U O T A T I O N

No: PEC ST-325950

Quoted By:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 9057389033

Quoted To: (20115)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7

Quoted Ship To: (1)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7

Trm NET 30 DAYS/NET 30 JOURS Qtd 27Apr11 Qte Ref
 Frt PREPAID Via FOB
 Tel 613-632-9577 Fax 613-632-1053 Ctc CHANTAL
 Slp STAN IVERS (905-532-1350)

Q U O T A T I O N

QT No: PEC ST-325950

Test Certs: Chem-Y Phys-Y 1 Original copies with Shipment, 1 with Invoice

1	STAINLESS STEEL ROUND BAR 17-4 STAINLESS 4.00" DIA X 5.1000" Part No ASTM A564 4-6 DAYS A.R.O	10 PCS	185 LBS
<<<----- SPECIFICATIONS ----->>>			
Ga Tol + 0.0000 - 0.0000 Pc/Tag 10			
WthTol + 0.0000 - 0.0000 Wt/Skd			
LthTol + 0.1250 - 0.0000 Ty			
MATERIAL		Pk 10 PCS @	825.00
ENERGY & CAP SURCHG		82.5000 EA 20.0000 LOT	20.00
2	ALUMINUM ROUND BAR 7075T7351 3.50" DIA X 12.5000" Part No QQ-A-225/9 4-6 DAYS A.R.O	12 PCS	146 LBS
<<<----- SPECIFICATIONS ----->>>			
Ga Tol + 0.0000 - 0.0000 Pc/Tag 12			
WthTol + 0.0000 - 0.0000 Wt/Skd			
LthTol + 0.1250 - 0.0000 Ty			
MATERIAL		Pk 12 PCS @	780.00
		65.0000 EA	
3	ALUMINUM SHEET 2024-T3 0400 Nom X 48.0000" X 144.0000" Part No 4-6 DAYS A.R.O QQ-A-250/4	4 PCS	108 LBS
MATERIAL		4 PCS @	638.00
		159.5000 EA	3.975
4	ALUMINUM SHEET 2024-T3 0500 Nom X 48.0000" X 144.0000" Part No 4-6 DAYS A.R.O QQ-A-250/4	3 PCS	101 LBS
MATERIAL		3 PCS @	597.00
		199.0000 EA	4.975

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
 WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
 TO SHIPPING.
 ATTN: CHANTAL/LINDA

Q U O T A T I O N

No: PEC ST-326232

Quoted By:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 9057389033

Quoted To: (20115)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7

Quoted Ship To: (1)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7

Trm NET 30 DAYS/NET 30 JOURS Qtd 28Apr11 Qte Ref
 Frt PREPAID Via FOB
 Tel 613-632-9577 Fax 613-632-1053 Ctc CHANTAL
 Slp STAN IVERS (905-532-1350)

Q U O T A T I O N

QT No: PEC ST-326232

Test Certs: Chem-Y Phys-Y 1 Original copies with Shipment, 1 with Invoice

1 ALUMINUM SHEET (2024 -T3)	1 PCS	13 LBS
0200/ Nom X 48.0000" X 144.0000"		
Part No 4-6 DAYS A.R.O		
MATERIAL	1 PCS @	137.5000 EA
ENERGY & CAP SURCHG		20.0000 LOT
SKID		25.0000 LOT

3.4375
 137.50
 20.00
 25.00

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
 WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
 TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **

** REFERENCED ON IT **

Price in effect at time of shipment.

Price based on receipt of total order.

All weights are theoretical.

All orders are subject to credit approval.

**** TEL. 800-926-2600 ****

*** CUSTOMER PICK-UP HOURS ***

*** 9:00 AM TO 4:00 PM ***

* WE STOCK STAINLESS STEEL!!!! *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$20.00 ENERGY SURCHARGE WILL BE
 ADDED TO EVERY ORDER.***

Order Totals: 1 Items 13 LBS

*****	Material	Processing	Freight	Other	Taxes	ORDER AMT
	137.50			45.00	23.73	206.23
*****	Taxes: ONHSTS	23.73	0.00	0.00	0.00	

Chantal Lavoie

From: Desbiens, Marc <mdesbien@amcastle.com>
Sent: April 26, 2011 11:34 AM
To: Chantal Lavoie
Subject: RE: quote

Hi Chantal,

price & delivery on material.

D6104-005 x 10 \$ 78.25 pce 10 days
D6103-003 x 12 offer 11 pcs (or 22 pcs) \$ 71.00 pce 10 days

Thanks

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